Product datasheet

Anti-Lamin A Antibody (Clone#OTI3F6)

Catalog Number: *M00438-7*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-Lamin A Antibody (Clone#OTI3F6)
Gene Name	LMNA
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human, mouse, rat
Tested Application	WB, ICC/IF
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human LMNA (NP_733821) produced in HEK293T cell.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	74 kDa
Dilution Ratios	Western blot (WB): 1:2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Alternative splicing results in multiple transcript variants. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome. [provided by RefSeq, Apr 2012]

Reference

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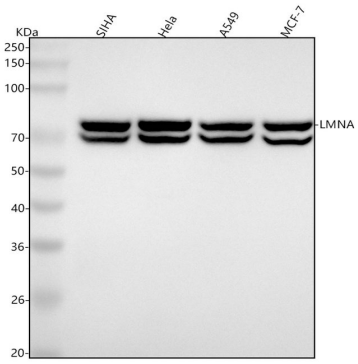
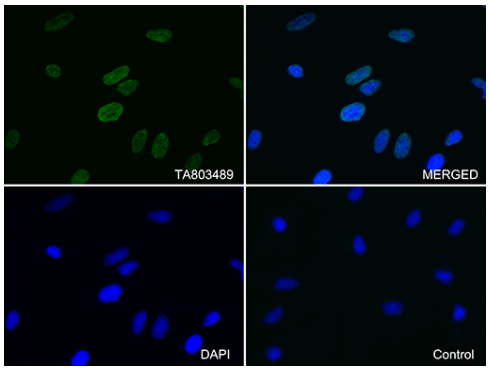
Anti-Lamin A Antibody (Clone#OTI3F6)被引用在1文献中。

Selected Validation Data



Western blot analysis of anti-Lamin A antibody (M00438-7). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human SiHa whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: human MCF-7 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-Lamin A antigen affinity purified monoclonal antibody (M00438-7) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Lamin A at approximately 74 kDa. The expected band size for Lamin A is at 74 kDa.



Immunofluorescent staining of Hela cells using anti-LMNA mouse monoclonal antibody or Isotype control (merged, lower right). Cell nuclei were stained with DAPI (blue, lower left) (1:100).